Lloyd's Register

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Final Attendance Report

Provisional Issue

Service details

Ship name	ATLANTIC HURON	**Location**	Thunder Bay (CA)
IMO number	8025680	**First visit date**	13 Aug 2020
Port of registry	Montreal	**Last visit date**	11 Nov 2020
Current flag	Canada		

Class recommendation

I have carried out the surveys detailed below. All recommendations made by me have been dealt with to my satisfaction. I am recommending that class be maintained with new records as follows.

The above recommendation is made subject to any outstanding conditions of class being dealt with as previously recommended.

Surveys credited in this report

Survey code	Survey title	Status	Credited date	Postponed date
SSL	SPECIAL	P	On completion	-
BTMS	BOTTOM SURVEY	X	31 Oct 2020	-
COCH	EXISTING COCH REVIEW	X	14 Sep 2020	-
HDAM1	TOP TANKS REPAIR WBTK 3 AND 5 PORT	X	14 Sep 2020	-
HDAM2	WBTK 3 PORT DB REPAIR	X	14 Sep 2020	-
HDAM3	Bottom Shell	X	31 Oct 2020	-
HDAM4	KORT NOZZLE REPAIR	X	02 Nov 2020	-
HRPS1	ER AFT COFERDAM FR 10 HULL REPAIRS	X	31 Oct 2020	-
HRPS2	Bottom Shell Crack WBT 2STB	X	31 Oct 2020	-
HRPS3	Bottom Shell crack in WBT 3 PS	X	31 Oct 2020	-
HRPS4	Bottom Shell crack in WBT 4 PS	X	31 Oct 2020	-
HRPS5	Bottom Shell crack in WBT 4 STB	X	31 Oct 2020	-
HRPS6	Bottom Shell Crack in WBT 3 STB	X	31 Oct 2020	-
HRPS7	NO 5 PORT BOTTOM SHELL CRACK	X	31 Oct 2020	-
HRPS8	NO 4 STBD BOTTOM SHELL CRACK	X	31 Oct 2020	-
HRPS9	WBT No 2 PS Side Shell Fr 191	X	31 Oct 2020	-
HRPS10	WBT No.2 Bottom Shell Fr 159-161	X	31 Oct 2020	-
HRPS11	WBT No.3 PS Bottom Shell Crack FR 141	X	31 Oct 2020	-
HRPS12	Turn of bilge plate	X	31 Oct 2020	-

HRPS13	Side Shell	X	31 Oct 2020	-
HRPS14	W.B. TANK NO.5 PORT	X	31 Oct 2020	-
HRPS15	DAMAGE TO SIDE SHELL PLATING & NO. 1 WBTK (P)	X	02 Nov 2020	-
HRPS16	TOP TANKS REPAIR WBTK 3 AND 5 PORT	X	02 Nov 2020	-
HRPS17	KORT NOZZLE REPAIR	X	02 Nov 2020	-
HRPS18	WBTK 3 PORT DB REPAIR	X	02 Nov 2020	-
HULL1	ASSET NOTES DELITION	X	13 Aug 2020	-
HULL2	SIDE AND BOTTOM SHELL REASSESSMENT	X	14 Sep 2020	-
HULL3	ER UNDER ENGINE VOID SPACE INPECTION	X	16 Oct 2020	-
CSM	CONTINUOUS - MACHINERY	P	On completion	-
TS1	SCREWSHAFT	X	31 Oct 2020	-
MRPS1	Ballast overboard discharge pipe	X	11 Nov 2020	-
MRPS2	CPP OD Box Damage	X	11 Nov 2020	-
MRPS3	CONTROLLABLE PITCH PROPULSION FAILURE	X	11 Nov 2020	-
POLM	US NPDES VESSEL GENERAL PERMIT	X	11 Nov 2020	-
CANM1	FIRE PLAN CORRECTIONS	X	14 Sep 2020	-
CANM2	STATUTORY DEFICIENCY LIST	X	11 Nov 2020	-
CANM3	PORT GANGWAY REPAIR AND TEST	X	11 Nov 2020	-

Action taken with Certificates

ID	Certificate Title	Action taken	Expiry Date
2081915	Statement of Dry Dock Survey for United States EPA National Pollutant Discharge Elimination System	Issued	-

Action taken with Conditions of Class

ID	Description	Action taken	Due date
CoC-M-001	PORT SIDE MAIN BALLAST OVERBOARD DISCHARGE PIPE FOUND WASTED AND LEAKING, NOW TEMPORARY REPAIRED BY WELDED DOUBLERS, TO BE RE-EXAMINED ANNUALLY AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-006	BOTTOM SHELL CRACK IDENTIFIED IN WBT 2STB BETWEEN FR159-FR160 AT SECOND OUTSIDE GIRDER, NOW TEMPORARILY REPAIRED BY DRILLING ENDS/GOUGING/ WELDING/DOUBLER, TO BE ESPECIALLY EXAMINED ANNUALLY AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-007	BOTTOM SHELL CRACK IDENTIFIED IN WBT 3PS BETWEEN FR139-FR141, L1 OFF CL, NOW TEMPORARILY REPAIRED BY DRILLING ENDS/ GOUGING/WELDING/DOUBLER, TO BE ESPECIALLY EXAMINED ANNUALLY AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-008	BOTTOM SHELL CRACK IDENTIFIED IN WBT 4SPS IWO FR 93 , L1 OFF CL, NOW TEMPORARILY REPAIRED BY DRILLING ENDS/ GOUGING/WELDING/DOUBLER, TO BE RE-	Closed	31 Mar 2021

	EXAMINED AND DEALT WITH AS FOUND NECESSARY.		
CoC-H-009	BOTTOM SHELL CRACK IDENTIFIED IN WBT 4STB BETWEEN FR97-FR99, FIRST GIRDER OFF CL, NOW TEMPORARILY REPAIRED BY DRILLING ENDS/GOUGING/WELDING/ DOUBLER, TO BE RE-EXAMINED ANNUALLY AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-011	BOTTOM SHELL CRACK REPORTED IN WBT 3STB FR149 AT FIRST OUTSIDE TRANSV GIRDER, NOW TEMPORARILY REPAIRED BY DRILLING THE ENDS/GOUGING/WELDING/ DOUBLER WELDED FROM OUTSIDE, TO BE RE- EXAMINED ANNUALLY AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-018	NO 5 PORT BOTTOM SHELL CRACK IWO FR 43 BETWEEN CENTER LINE AND FIRST LONGITUDINAL NOW TEMPORARILY REPAIRED BY DRILLING THE ENDS, GAUGING, RE-WELDING AND INSTALLING DOUBLER. TO BE SPECIALLY EXAMINED AND DEALT WITH AS NECESSARY.	Closed	31 Mar 2021
CoC-H-020	NO 4 STBD BOTTOM SHELL CRACK IWO FR 104 OUTBOARD IN THE TURN OF THE BILGE NOW TEMPORARILY REPAIRED BY DRILLING THE ENDS, GAUGING, RE-WELDING THE CRACK AND INSTALLING DOUBLER. TO BE SPECIALLY EXAMINED AND DEALT WITH AS NECESSARY.	Closed	31 Mar 2021
CoC-H-021	W.B. TANK NO.5 PORT, FR.59, 11000 MM ABOVE BOTTOM, HORIZONTAL FRACTURE 100 MM LONG NOW TEMPORARILY REPAIRED BY GAUGING AND WELDING, TO BE DEALT WITH AS NECESSARY TO THE ATTENDING SURVEYOR SATISFACTION.	Closed	31 Mar 2021
CoC-H-023	SIDE SHELL LEACKAGE THROUGH PIN HOLE IN WAY OF FR 191. 1ST SL FROM THE TURN OF BILGE, NOW TEMPORY REPAIRED BY WELDING AND DOUBLER, TO BE ESPECIALLY EXAMINED AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-024	BOTTOM SHELL LEACKAGE IDENTIFIED IN WAY OF 4TH BOTTOM LONGITUDINAL FROM CL, FR 159-161, NOW TEMPORY REPAIRED BY WELDING AND DOUBLER, TO BE ESPECIALLY EXAMINED AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-025	BOTTOM SHELL LEACKAGE IDENTIFIED IN WAY OF 1ST BOTTOM LONGITUDINAL FROM CL, FR 139-141, NOW TEMPORY REPAIRED BY WELDING AND DOUBLER, TO BE ESPECIALLY EXAMINED AND DEALT WITH AS FOUND NECESSARY.	Closed	31 Mar 2021
CoC-H-026	FOLLOWING CRACKS IDENTIFIED ON THE BOTTOM SHELL AND TEMPORARILY REPAIRED BY ENDS-DRILLING, REWELDING AND DOUBLERS WELDED, TO BE DEALT WITH AS FOUND NECCESSARY AT FIRST DOCKING, MEANTIME EXAMINED AND FOUND EFFICIENT: -WBT 2 PS IWO 1ST OB GIRDER AT FR 173 AND BTW FR177-178; -WBT 3 PS IWO 5TH BOTTOM LONG FROM OB AT FR 129 AND AT APROX 450MM FROM FR 127 AND 2M FROM CL; -WBT 3 STB IWO 5TH BOTTOM LONG FROM OB AT FR 135, IWO 1ST BOTTOM LONG AT FR 129 AND IWO 1ST OB GIRDER AT FR 125; -WBT 4 PS APROX 1M FROM CL AT FR 97-99 AND AT FR109, AND APROX 0.5M FROM CL	Closed	31 Mar 2021

	AT FR 97; -WBT 4 STB IWO 6TH BOTTOM LONG FROM OB AT FR 109 AND IWO 1ST OB GIRDER AR FR95-96; -WBT 5 PS IWO 5TH-6TH BOTTOM LONG AT FR 58-59, APROX 2M FROM CL AT FR 56 AND IWO 1ST OB GIRDER AT FR54; -WBT 5 STB IWO 3RD OB GIRDER AT FR 63-65		
CoC-H-027	FOLLOWING CRACKS IDENTIFIED ON THE BOTTOM SHELL AND TEMPORARILY REPAIRED BY REWELDING/DOUBLERS/ CEMENT BOX, TO BE DEALT WITH AS FOUND NECCESSARY AT FIRST DOCKING, MEANTIME EXAMINED AND FOUND EFFICIENT: WBT 2PS AT FR 179, WBT 3PS AT FR 130 AND AT FR 143.	Closed	31 Mar 2021
CoC-H-028	FOLLOWING CRACKS IDENTIFIED ON THE SIDE SHELL AND TEMPORARILY REPAIRED BY GOUGING, REWELDING AND DOUBLERS WELDED, TO BE DEALT WITH AS FOUND NECCESSARY AT FIRST DOCKING, MEANTIME EXAMINED AND FOUND EFFICIENT: WBT 5STB PIN HOLE BELOW 2ND STRINGER FROM THE BOTTOM AT FR 57 AND BELOW 1ST STRINGER AT FR 59;	Closed	31 Mar 2021
CoC-M-029	TORQUE PIN LOCATING HOLE IN OD BOX FOUND WORN, (TORQUE PIN NOW REBUILT BY WELDING AND MACHINING). OPERATING CLEARNACE BETWEEN PIN AND HOLE TO BE REINSTATED & OPERATION TO BE DEMONSTRATED TO THE ATTENDING SURVEYOR. OD BOX OPERATION REMAINS EFFICIENT MEANTIME.	Closed	01 Apr 2021
CoC-H-030	PROMPT & THOROUGH. REPORTED VESSEL WAS DOWN BOUND FROM LAKE SUPERIOR TRANSITING THE UPPER ST-MARY'S FALLS ON APPROACH FOR ST-MARY'S LOCK WEST CENTER PIER WALL FOR POE LOCK. WHILE APPROACHING WEST CENTER PIER, DUE TO VESSEL'S CPP SYSTEM FAILURE THERE WAS A CONTACT/COLLISION WITH APPROACH WALL OF SOO. DAMAGES TO THE SIDE SHELL PLATING AND THE LONGITUDINAL, WEB STIFFENERS, WEB FRAME OF NO. 1 (P) WATER BALLAST TANK FROM FRAME 228 TO 234 OCCURED. REPORTED NO BREACH TO HULL AND NO WATER INGRESS. ON OWNERS REQUEST VESSEL GRANTED PERMISSION FOR SINGLE BALLAST VOYAGE TO THUNDER BAY WHERE PERMANENT REPAIRS ARE TO BE EFFECTED TO THE SATISFACTION OF THE ATTENDING SURVEYOR.	Closed	10 Aug 2020
CoC-M-031	PROMPT & THOROUGH. REPORTED VESSEL WAS DOWN BOUND FROM LAKE SUPERIOR TRANSITING THE UPPER ST-MARY'S FALLS ON APPROACH FOR ST-MARY'S LOCK WEST CENTER PIER WALL FOR POE LOCK. WHILE APPROACHING WEST CENTER PIER, VESSEL'S CPP WAS ERRATIC AND THEN ALL OF A SUDDEN, PITCH INDICATOR WAS SHOWING FULL ASTERN, IN REALITY, PITCH WAS STUCK ON FULL AHEAD (90% AHEAD). THERE WAS A CONTACT/COLLISION WITH APPROACH WALL OF SOO. CPP SYSTEM HAD FAILED COMPLETELY. ON OWNERS REQUEST VESSEL GRANTED PERMISSION UNDER TOW FOR SINGLE BALLAST VOYAGE TO THUNDER BAY WHERE PERMANENT REPAIRS TO THE CPP SYSTEM ARE TO BE EFFECTED TO THE SATISFACTION OF THE ATTENDING SURVEYOR.	Closed	10 Aug 2020

Action taken with Actionable Items

ID	Description	Action taken	Due date
AI-C-009	Top tanks 2-5 Port and STBD under repair. Scope of work verified during SSL tank inspection, to be completed during DD in Thunder Bay	Closed	15 Nov 2020
AI-C-010	During SSL inspection dabbler found on Fr. 123 CL Girder fitted from STBD side; bottom shell cracks at fr. 131 and 139 to be dealt with as necessary during DD in Thunder Bay	Closed	15 Nov 2020
AI-C-011	Repairs completed in WBTK 1-5 Port and STBD. See details in HRPS narratives. All shell repairs tested to attending surveyor satisfaction. Water tight bulkheads boundary test was not available in DD and postponed to winter laid-up in SSL range dates.	Raised	30 Mar 2021
AI-C-012	Two bollards installed on MD level AFT at Fr. 0 Port and STBD during DD 2020. SWL test to be completed during winter Laid-up and properly marked.	Raised	30 Mar 2021

Action taken with Asset Notes

ID	Description	Action taken
AC	ORIGINAL POKER GAUGE READING TOP 54.7 MM BTTM 54.1MM. AFTER TAIL SHAFT INSTALLATION TOP 55.15 MM; BTTM 54.8 MM	Amended
BW	PORT SIDE STRAKE F, FR.33, 34-1/2 SET IN.	Closed
DN	The propeller Kort nozzle axis is set approximately 10mm above the sterntube shaft axis.	Closed
EB	VESSEL'S BOTTOM SHELL FORWARD END PORT SIDE TOUCHED DOWN IN DETROIT RIVER TO BE FURTHER EXAMINE AT NEXT DRY DOCK.	Closed
EH	TOP STEP OF VERTICAL LADDER FOR ACCESS TO CARGO HOLD NO.4 FROM AFT FOUND THINNED, AND NECESSARY FOR RENEWAL.	Closed
FH	BOTTOM SHELL PLATING IWO NO.5P AND 5S WB DB TANKS, AFT SECTION, VARIOUSLY PITTED.	Closed
AN-C-005	The ship midsection was reviewed by Toronto TSO. Underwater shell and bottom plating reassessment completed according to the Rules for Great Lakes. The reference thickness for diminution calculation is 12.5 mm.	Raised
AN-S-006	Deck crane rails found corroded, holed and thinned in different locations to be inspected during annual survey for possible cracks.	Raised
EA	LATEST CORRISION PROTECTION INTERSHILED 300 APPLIED TO UNDERWATER PORTIONS OF HULL IN 03/10. NO HARD COATING APPLIED ON NEW SHELL INSERTS, NO ANTIFOULING PROTECTION APPLIED IN DD 10/2020.	Amended

Appendices (issued/attached/supplied/included)

Title	Number
Appendix 1 - Tasks	7
Appendix 2 - Readings	14

Attending surveyors

Attending surveyor name	Lead surveyor
Andrei Sokolski	Yes
Michael Skrzypczak	

Issuing surveyor signature

Signed date
11 Nov 2020

Issuing surveyor name
Andrei Sokolski

LR Legal entity
Lloyd's Register Canada Limited

Appendix 1 - Tasks

Table of contents:

Sections **Page number**

1. Tasks credited for Hull 7
2. Tasks credited for Machinery 11

1. Tasks credited for Hull

		Credit
SSL SPECIAL		
VESSEL - VESSEL GROUP		
0660-7M2FUXA-2637	Thickness Measurements	Complete
	Q: Critical areas as required	
	A: YES	
	Q: Transverse section as required by rules	
	A: YES	
TANK GROUP - 3973 NO.1 PORT COMBINED BOTTOM & SIDE W.B. TANK		
0281-72S6Y7A-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4002 NO.1 STARBOARD COMBINED BOTTOM & SIDE W.B. TANK		
0281-U4XYZ5Y-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4033 NO.2 PORT COMBINED BOTTOM & SIDE W.B. TANK		
0281-NBU4F5I-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4064 NO.2 STARBOARD COMBINED BOTTOM & SIDE W.B. TANK		
0281-VKOY5PA-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4095 NO.3 PORT COMBINED BOTTOM & SIDE W.B. TANK		
0281-F34PUEA-1300	Thickness Measurements	Complete

	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4121 NO.3 STARBOARD COMBINED BOTTOM & SIDE W.B. TANK		
0281-YOMTXOY-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4152 NO.4 PORT COMBINED BOTTOM & SIDE W.B. TANK		
0281-ZELOTMI-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4183 NO.4 STARBOARD COMBINED BOTTOM & SIDE W.B. TANK		
0281-Y4DT3AA-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4219 NO.5 PORT COMBINED BOTTOM & SIDE W.B. TANK		
0281-3L6TGXA-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4240 NO.5 STARBOARD COMBINED BOTTOM & SIDE W.B. TANK		
0281-4ABOU7Y-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
TANK GROUP - 4271 FORWARD PEAK W.B. TANK		
0281-7QHNYBQ-1300	Thickness Measurements	Complete
	Q: All transverse watertight bulkheads in all side tanks within the cargo hold length	
	A: YES	
CARGO HOLD GROUP - 3780 NO.1 HOLD		
0079-Z73EP2Y-248	Thickness Measurements	Complete
	Q: Representative measurements of shell frames and longitudinal bulkhead vertical stiffeners, between each stringer, and cargo hold arch webs, in way of the transverse sections, as considered necessary	
	A: YES	
	Q: Report frame no.	
	A: 232	
CARGO HOLD GROUP - 3797 NO.2 HOLD		
0079-AXN55RQ-248	Thickness Measurements	Complete

	Q: Representative measurements of shell frames and longitudinal bulkhead vertical stiffeners, between each stringer, and cargo hold arch webs, in way of the transverse sections, as considered necessary	
	A: YES	
	Q: Report frame no.	
	A: 199	
CARGO HOLD GROUP - 3809 NO.3 HOLD		
0079-E6X7YWY-248	Thickness Measurements	Complete
	Q: Representative measurements of shell frames and longitudinal bulkhead vertical stiffeners, between each stringer, and cargo hold arch webs, in way of the transverse sections, as considered necessary	
	A: YES	
	Q: Report frame no.	
	A: 157, 159	
CARGO HOLD GROUP - 3816 NO.4 HOLD		
0079-QWC75AA-248	Thickness Measurements	Complete
	Q: Representative measurements of shell frames and longitudinal bulkhead vertical stiffeners, between each stringer, and cargo hold arch webs, in way of the transverse sections, as considered necessary	
	A: YES	
	Q: Report frame no.	
	A: 119	
CARGO HOLD GROUP - 3823 NO.5 HOLD		
0079-4NOABJI-248	Thickness Measurements	Complete
	Q: Representative measurements of shell frames and longitudinal bulkhead vertical stiffeners, between each stringer, and cargo hold arch webs, in way of the transverse sections, as considered necessary	
	A: YES	
	Q: Report frame no.	
	A: 36, 79	
DECK GROUP - 3759 UPPER DECK PLATING		
0128-PK4DXEI-565	Thickness Measurements	Complete
	Q: 1 transverse section at midships outside line of cargo hatch openings now carried out	
	A: YES	
	Q: Report frame no.	
	A: 73, 131, 203	

Credit

BTMS BOTTOM SURVEY

VESSEL - VESSEL GROUP

0660-7M2FUXA-2914	Check the country files to ascertain any Flag Administration requirements	Complete
0660-7M2FUXA-2915	Confirm the Ship's Survey status has been reviewed at the time of the BTMS for items normally carried out in drydock which may become due prior to the next drydocking.	Complete
0660-7M2FUXA-2916	Endorse the Cargo Ship Safety Construction or Cargo Ship Safety Certificate in respect to the date of inspection of the ships bottom	Complete
0660-7M2FUXA-2917	Examine Draught Marks or reliable indicating system	Complete
0660-7M2FUXA-2920	Indicate whether the Bottom Survey was carried out in a dry dock or afloat	Complete
	Q: Indicate service under which task has been performed	
	A: DS	
	Q: For IWS, confirm in-water visibility and cleanliness of the hull below the waterline clear enough to permit a meaningful examination, allowing to determine the condition of the plating, appendages and the welding.	
	A: YES	
0660-7M2FUXA-3261	Satisfactory examination of keel, stern, sternframe, rudder(s), seachests, sea suctions and overboard discharge valves.	Complete
0660-7M2FUXA-5260	Specify Service Performed	Complete
	Q: Indicate service under which task has been performed	
	A: DS	

3454 TAILSHAFT SURVEY - 1539 STERNBUSH

0502-OZ5FP6I-2419	If Bottom Survey carried out in drydock/slipway, examine facilities to enable the measurement of the sterntube weardown (poker gauge readings) during In-Water Survey	Complete
0502-OZ5FP6I-2420	Examine Shaft Seals and Measure Clearance Of Bearing(s)	Complete
	Q: Report Sternbush Clearance in mm, prior to Tailshaft Survey if any:	
	A: -	
	Q: Confirm Oil Gland Tight	
	A: YES	
	Q: Report poker gauge top reading in mm, prior to Tailshaft Survey if any (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	
	A: -	
	Q: Report poker gauge bottom reading in mm, prior to Tailshaft Survey if any (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	
	A: -	
0502-OZ5FP6I-3256	Examine sternbush fastenings and the gratings at the sea inlets	Complete

3454 TAILSHAFT SURVEY - 1508 CONTROLLABLE PITCH PROPELLER

0525-ZMBAT7Y-3250	Examine externally including gear housing, propeller blades, bolt locking and other fastening arrangements	Complete
0525-ZMBAT7Y-3251	Verify sealing arrangement of propeller blades, propeller shaft and steering column	Complete

1308 ATHWARTSHIP THRUST PROPELLER/S - MANOEUVRING/POSITIONING PROPELLER		
0361-QVEW4SA-3254	Examine externally including gear housing, propeller blades, bolt locking and other fastening arrangements	Complete
0361-QVEW4SA-3255	Verify sealing arrangement of propeller blades, propeller shaft and steering column	Complete
ANCHORING, MOORING AND TETHERING GROUP - 4990 CABLES		
0085-PITZVUI-3216	When ranged, examined	Complete
SHELL AND APPENDAGES GROUP - 3692 SHELL PLATING		
0461-D27CRKY-2280	Examine Bottom, Side and Bow Platings	Complete
0461-D27CRKY-2281	If Bottom Survey carried out in drydock/slipway, Anti Fouling Paint applied to the underwater portion of the hull?	Waived
0461-D27CRKY-2283	If Bottom Survey carried out in drydock/slipway, High Resistance Paint applied to the underwater portion of the hull (including touch up)?	Waived
0461-D27CRKY-3199	Examine the condition of the paint system applied to the underwater portion of the hull.	Complete
0461-D27CRKY-3200	Confirm any paint system application reported in the narrative, including touch up details.	Waived
0461-D27CRKY-3201	Confirm Actionable Item for High Resistance Paint exists.	Complete
0461-D27CRKY-3217	Examine appendages including their attachments and bilge keels where fitted	Complete
SHELL AND APPENDAGES GROUP - 3728 RUDDER		
0452-GIQPRJA-2077	Examine	Complete
	Q: Was rudder lifted?	
	A: NO	
	Q: Report No. of Pintle Bearings Fitted	
	A: 0	
	Q: If Bottom Survey carried out in drydock/slipway, examine facilities to enable the measurement of the rudder pintle clearances during In-Water Survey.	
	A: YES	
	Q: If Bottom Survey carried out In-Water, verify the security of the pintles in their sockets whilst the ships is afloat.	
	A: NO	
0452-GIQPRJA-3500	Pressure test as deemed necessary	Complete

2. Tasks credited for Machinery

Credit

CSM CONTINUOUS - MACHINERY

VESSEL - VESSEL GROUP

0660-7M2FUXA-2930	Examine Assembly For Port and Starboard Discharge Valves (Including Bolted Connection)	Complete
0660-7M2FUXA-2931	Examine Assembly For Port and Starboard Sea Suction Valves (Including Bolted Connection)	Complete

ANCHORING, MOORING AND TETHERING GROUP - 505 FORWARD WINDLASS MACHINERY

0026-MGCVZ7Y-53	Examine And Test Including Gypsy, Brake And Associated Equipment	Complete

Credit

TS1 SCREWSHAFT

3454 TAILSHAFT SURVEY - 1522 TAILSHAFT

0519-SOSAWPI-2443	Examine	Complete
	Q: Shaft renewed?	
	A: NO	
0519-SOSAWPI-2444	Examine Inboard Bearing	Complete
0519-SOSAWPI-2445	NDE - Crack Detection Of Cone/Flange	Complete
0519-SOSAWPI-2446	Verify Monitoring Records	Complete

3454 TAILSHAFT SURVEY - 1539 STERNBUSH

0502-OZ5FP6I-2421	Examine Bearing(s)	Complete
	Q: Report poker gauge top reading in mm, after Tailshaft Survey (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	
	A: 55.15	
	Q: Report poker gauge bottom reading in mm, after Tailshaft Survey (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	
	A: 54.18	
0502-OZ5FP6I-2422	Measure Clearance Of Bearing(s)	Complete
	Q: Report Sternbush Clearance in mm, after Tailshaft Survey:	
	A: 0.84	
0502-OZ5FP6I-2423	Measure Weardown of Bearing(s) and confirm found to be within acceptable limits	Complete
0502-OZ5FP6I-2424	Review Of Circulating Oil Analysis Record	Complete

3454 TAILSHAFT SURVEY - 1496 APPROVED OIL GLAND

0526-2EVBU4A-2462	Examine And Confirm Tight	Complete

3454 TAILSHAFT SURVEY - 1508 CONTROLLABLE PITCH PROPELLER

0525-ZMBAT7Y-2460	Examine CPP Plus Mechanical Parts And Hydraulic Equipment	Complete
	Q: Report C.P. propeller type	
	A: SEFFLE	
	Q: Confirm propeller completely dismantled and each blade crack detected in way of the journal and flanges within the hub	

	A: YES

Appendix 2 - Readings

BOTTOM SURVEY

Item	Reading	Value reported
Examine Shaft Seals and Measure Clearance Of Bearing(s)	Confirm Oil Gland Tight	YES
Examine	Was rudder lifted?	NO

SCREWSHAFT

Item	Reading	Value reported
Examine Bearing(s)	Report poker gauge top reading in mm, after Tailshaft Survey (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	55.15
Examine Bearing(s)	Report poker gauge bottom reading in mm, after Tailshaft Survey (Where only one poker gauge reading point is fitted, "0" is to be input for the other entry):	54.18
Measure Clearance Of Bearing(s)	Report Sternbush Clearance in mm, after Tailshaft Survey:	0.84